Subst a

Abstract

~~Method for simple signal, tone and phase change detection~~

A method for detecting an information signal, tone and/or a phase change of a tone in one or more signals which contain *inter alia* this information signal or this tone, is characterised in that each signal is divided into segments (blocks), in that only a selection of the blocks are further processed for detection, whereas the blocks which have not been selected are not processed further, wherein the signal in the blocks is made available for further processing in the form of samples of a signal in the time domain, in that the blocks are subjected to a transformation, for example a transformation from the time domain to the frequency domain, in order to produce at least one output value, and in that a decision regarding detection is made with the aid of at least one output value of the transformation. If necessary, the output values of the transformation of a plurality of selected blocks can be mapped by a function or mapping in at least one result and the result is used to produce a decision value.

It is advantageous that, owing to the division into individual blocks and processing of only a selection of these blocks, it is possible to reduce the complexity whilst increasing the detection delay, in particular if there are no strict requirements regarding the detection speed.